

SEQUENCE LISTING

(1) GENERAL INFORMATION

- (i) APPLICANT: Pestka, Sidney
- (ii) TITLE OF INVENTION: Super Proteins Including Interferons, Interleukins, et al.
- (iii) NUMBER OF SEQUENCES: 12
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Plevy & Associates
 - (B) STREET: P.O. Box 1366, 146 Route 1, North
 - (C) CITY: Edison
 - (D) STATE: New Jersey
 - (E) COUNTRY: U.S.A.
 - (F) ZIP: 08818-1366
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette, 5.25 inch, 1.2 Mb storage
 - (B) COMPUTER: IBM Compatible (Intel "386" CPU)
 - (C) OPERATING SYSTEM: MS-DOS 5.0
 - (D) SOFTWARE: WordPerfect 5.1
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NO.: To Be Assigned
 - (B) FILING DATE: June 10, 1994
 - (C) CLASSIFICATION: To Be Assigned
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NO.: 08/076,231
 - (B) FILING DATE: June 11, 1993
 - (C) CLASSIFICATION: 530

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Plevy, Arthur L.
- (B) REGISTRATION NO.: 24,277
- (C) REFERENCE/DOCKET NO.: PESTKA-1

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: (908) 572-5858
- (B) TELEFAX: (908) 572-5963

(2) INFORMATION FOR SEQ. ID. NO: 1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 base pairs
- (B) TYPE: Nucleic Acid
- (C) STRANDEDNESS: Single
- (D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 1:

TGGGCTGTGA TCTGCCTC 18

(2) INFORMATION FOR SEQ. ID. NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 base pairs
- (B) TYPE: Nucleic Acid
- (C) STRANDEDNESS: Single
- (D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 2:

CATGATTCT GCTCTGACAA CC 22

(2) INFORMATION FOR SEQ. ID. NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

(B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 3:

AACCCACAGC CTGGGTAG 18

(2) INFORMATION FOR SEQ. ID. NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 base pairs

(B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 4:

GCGGGCCCCA ATGGCCYTG CTTT 25

(2) INFORMATION FOR SEQ. ID. NO: 5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 24 base pairs
- (B) TYPE: Nucleic Acid
- (C) STRANDEDNESS: Single
- (D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 5:

GCTCTAGAAY TCATGAAAGY GTGA 24

(2) INFORMATION FOR SEQ. ID. NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 17 base pairs
- (B) TYPE: Nucleic Acid
- (C) STRANDEDNESS: Single
- (D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 6:

CTTGAAGGAC AGACATG 17

(2) INFORMATION FOR SEQ. ID. NO: 7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 17 base pairs
- (B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 7:

CTGTCCTCCA TGAGATG 17

(2) INFORMATION FOR SEQ. ID. NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17 base pairs

(B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 8:

GGTCATTCAG CTGCTGG 17

(2) INFORMATION FOR SEQ. ID. NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17 base pairs

(B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 9:

TCCTCCTTCA TCAGGGG 17

(2) INFORMATION FOR SEQ. ID. NO: 10:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17 base pairs

(B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 10:

ATTAACCCTC ACTAAAG 17

(2) INFORMATION FOR SEQ. ID. NO: 11:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17 base pairs

(B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 11:

TAATACGACT CACTATA 17

(2) INFORMATION FOR SEQ. ID. NO: 12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 570 base pairs
(B) TYPE: Nucleic Acid
(C) STRANDEDNESS: Single
(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 12:

ATG GCC TTG 9
Met Ala Leu
-23

10 TCC TTT TCT TTA CTG ATG GTC GTG CTG GTA CTC AGC TAC AAA TCC ATC TGC TCT CTG GGC 69
Ser Phe Ser Leu Leu Met Val Val Leu Val Leu Ser Tyr Lys Ser Ile Cys Ser Leu Gly
-20 -10 -1

70 TGT GAT CTG CCT CAG ACC CAC AGC CTG CGT AAT AGG AGG GCC TTG ATA CTC CTG GCA CAA 129
Cys Asp Leu Pro Gln Thr His Ser Leu Arg Asn Arg Arg Ala Leu Ile Leu Leu Ala Gln
1 10 20

130 ATG GGA AGA ATC TCT CCT TTC TCC TGC TTG AAG GAC AGA CAT GAA TTC AGA TTC CCA GAG 189
Met Gly Arg Ile Ser Pro Phe Ser Cys Leu Lys Asp Arg His Glu Phe Arg Phe Pro Glu
30 40

190 GAG GAG TTT GAT GGC CAC CAG TTC CAG AAG ACT CAA GCC ATC TCT GTC CTC CAT GAG ATG 249
Glu Glu Phe Asp Gly His Gln Phe Gln Lys Thr Gln Ala Ile Ser Val Leu His Glu Met
50 60

250 ATC CAG CAG ACC TTC AAT CTC TTC AGC ACA GAG GAC TCA TCT GCT GCT TGG GAA CAG AGC 309
Ile Gln Gln Thr Phe Asn Leu Phe Ser Thr Glu Asp Ser Ser Ala Ala Trp Glu Gln Ser
70 80

310 CTC CTA GAA AAA TTT TCC ACT GAA CTT TAC CAG CAA CTG AAT GAC CTG GAA GCA TGT GTG 369
Leu Leu Glu Lys Phe Ser Thr Glu Leu Tyr Gln Gln Leu Asn Asp Leu Glu Ala Cys Val
90 100

370 ATA CAG GAG GTT GGG GTG GAA GAG ACT CCC CTG ATG AAT GAG GAC TCC ATC CTG GCT GTG 429
Ile Gln Glu Val Gly Val Glu Glu Thr Pro Leu Met Asn Glu Asp Ser Ile Leu Ala Val
110 120

430 AGG AAA TAC TTC CAA AGA ATC ACT CTT TAT CTA ACA GAG AAG AAA TAC AGC CCT TGT GCC 489
Arg Lys Tyr Phe Gln Arg Ile Thr Leu Tyr Leu Thr Glu Lys Lys Tyr Ser Pro Cys Ala
130 140

490 TGG GAG GTT GTC AGA GCA GAA ATC ATG AGA TCC CTC TCG TTT TCA ACA AAC TTG CAA AAA 549
Trp Glu Val Val Arg Ala Glu Ile Met Arg Ser Leu Ser Phe Ser Thr Asn Leu Gln Lys
150 160

550 AGA TTA AGG AGG AAG GAT TGA 570
Arg Leu Arg Arg Lys Asp End 166